GENERAL NOTES:

GENERAL
1. CONFORM TO AMERICAN CURRENT CHARTER 30, CONCRETE TIES AND CALTRAIN STANDARD SPECIFICATIONS, PARTS D-3064 AND D-3066
2. SUBMIT SHOP DRAWINGS FOR APPROVAL
3. THE TIE SHALL BE OF UPLAND CAHABA
4. SPECIFIED PINS AND FASTENERS MAY CHANGE DUE TO CHANGES BY THE MANUFACTURER
5. WEIGHT 765 LBS MAX (A 20 LBS INCORPORATING FASTENING INCLUSIONS)

CONCRETE
1. 7,000 PSI MINIMUM AT 28 DAY
2. 6,500 PSI MINIMUM AT TRANSFER
3. AIR ENERGIZED MAXIMUM 24 VOLTS AC IN HARDENED CONCRETE

PRESTRESSING
1. 5.32 MM WIRE DIAMETER (ASTM A416), GRADE 260, STRESS RELEASED TENSION EACH WIRE TO 7300 PSI
2. WIRE PATTERN 16 3 WAYS
3. CUT WIRE TO 24" WITHIN 1/2" FROM SURROUNDING CONCRETE AT THE ENDS

SURFACE FINISH
STEEL FORM PLATE, EXCEPT BOTTOM AND ENDS SHALL HAVE ENOUGH PLATE

RAIL FASTENINGS (PANDEL)
1. TE PADS
2. INCLUDED: 9081
3. TIE INSULATOR: 7695
4. POST INSULATOR: 7692
5. TOPS: L 2000, SALVAGED

NOTE:
(a) NORMAL TIE LOAD 2,400 TO 3,000 LBS AND NORMAL TIE CLAMPING FORCE 4,000 TO 6,000 LBS
(b) SEE 52-2222 FOR FASTENING ASSEMBLIES FOR STANDARD JOINTS AND INSULATED JOINTS
(c) IN THE EVENT OF SUBSEQUENT PRODUCTION CHANGE, SUBMIT IN WRITING FOR ENGINEER'S APPROVAL, PREFERENCES RECOMMEND REFERENCE PHOTO EQUALS OR EXCEED THE PART NUMBER SPECIFIED HEREIN.

TOLERANCES
1. RAIL SEAT CAPITAL: ± 0.10
2. RAIL SEAT PLATE: ± 0.1/32" ACROSS ANY PART OF THE RAIL SEAT

SECTION A-A
SECTION B-B
DETAIL 1
SHOULders